

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

8/17 1. A method comprising:

receiving a radio broadcast at a vehicle;

wirelessly transmitting content from a server to the vehicle via a data network based on radio broadcast information associated with the received radio broadcast;

presenting content over a user interface at the vehicle;

recording any requests made by a user based on the presented content;

wirelessly transmitting the recorded requests to the server over the data network;

processing each sent request, wherein processing comprises generating a confirmation message upon completing a transaction based on the request;

wirelessly transmitting the generated confirmation message to the vehicle over the data network; and

presenting the sent confirmation message over the user interface.

2. The method of claim 1, further comprising wirelessly transmitting vehicle information from the vehicle to the server over the data network.

3. The method of claim 2, wherein the content transmitted from the server to the vehicle via a data network is based on radio broadcast information associated with the vehicle information.

4. The method of claim 1, wherein presenting comprises presenting at least a portion of the content or the message audibly.

5. The method of claim 1, wherein presenting comprises displaying visually at least a portion of the content or the message.

6. The method of claim 1, wherein recording comprises recording a phonation.

7. The method of claim 6, wherein processing comprises performing voice recognition processing of the phonation.

8. The method of claim 1, wherein completing comprises:

contacting a bank system; and

executing a monetary transfer based on user information and the request.

9. The method of claim 1, wherein completing comprises:

contacting a business system; and

sending information from the business system to the server relating to the request,
wherein the confirmation information comprises at least a portion of the
information sent by the business system.

10. The method of claim 1, wherein a recorded request is a request to purchase an item
offered for purchase in one or more of the received radio broadcast or the sent content.

11. A method comprising:

receiving a radio broadcast at a vehicle;

wirelessly transmitting vehicle information from the vehicle to a server over a
data network;

wirelessly transmitting content from the server to the vehicle via the data network
based on prestored radio broadcast information associated with the received
radio broadcast and associated vehicle information;

presenting content over a user interface at the vehicle;

recording any requests made by a user based on the presented content;

wirelessly transmitting the recorded requests to the server over the data network;

processing each sent request, wherein processing comprises generating a
confirmation message upon completing a transaction based on the request and
prestored user information;

wirelessly transmitting the generated confirmation message to the vehicle over the
data network; and

presenting the sent confirmation message over the user interface.

12. The method of claim 11, wherein presenting comprises presenting at least a portion
of the content or the message audibly.

13. The method of claim 11, wherein presenting comprises displaying visually at least a
portion of the content or the message.

14. The method of claim 11, wherein recording comprises recording a phonation.

15. The method of claim 14, wherein processing comprises performing voice
recognition processing of the phonation.

16. The method of claim 11, wherein completing comprises:
contacting a bank system; and
executing a monetary transfer based on user information and the request.

5 17. The method of claim 11, wherein completing comprises:
contacting a business system; and
sending information from the business system to the server relating to the request,
wherein the confirmation information comprises at least a portion of the
information sent by the business system.

10 18. The method of claim 11, wherein a recorded request is a request to purchase an item
offered for purchase in one or more of the received radio broadcast or the sent content.

15 19. A method comprising:
receiving a radio broadcast at a vehicle;
wirelessly transmitting vehicle information from the vehicle to a network
gateway;
sending the vehicle information from the gateway to a server over a data network;
sending content from the server to the vehicle via the network and the gateway
based on prestored radio broadcast information associated with the received
radio broadcast and associated vehicle information;
20 presenting content over a user interface at the vehicle;
recording any requests made by a user interface at the vehicle;
sending recorded requests to the server via the gateway and the network;
processing each sent request, processing comprises:
completing a transaction based on the request and prestored user
information; and
25 generating a confirmation message based on the completed transaction;
sending the generated confirmation message to the vehicle via the network and
the gateway; and
presenting the sent confirmation message over the user interface.

30 20. The method of claim 19, wherein presenting comprises presenting at least a portion
of the content or the message audibly.

21. The method of claim 19, wherein presenting comprises displaying visually at least a
portion of the content or the message.

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22. The method of claim 19, wherein recording comprises recording a phonation.
23. The method of claim 19, wherein processing comprises performing voice recognition processing of the phonation.
24. The method of claim 19, wherein completing comprises:
contacting a bank system; and
executing a monetary transfer based on user information and the request.
25. The method of claim 19, wherein completing comprises:
contacting a business system; and
sending information from the business system to the server relating to the request,
wherein the confirmation information comprises at least a portion of the
information sent by the business system.
26. The method of claim 19, wherein a recorded request is a request to purchase an item offered for purchase in one or more of the received radio broadcasts or the sent content.
27. A system comprising:
a computer-based vehicle unit located in a vehicle, the unit comprising:
a transmitting component;
a receiving component configured to wirelessly receive a radio broadcast over a broadcast frequency and content;
a user interface component configured to present received content and radio broadcast and record user requests;
a processing component coupled to the transmitter, the user interface, the receiver, the processor comprising:
a first component configured to instruct the transmitter to send recorded user requests and the broadcast frequency associated with the received radio broadcast; and
a second component configured to process information received by the receiver for presentation by the user interface;
a gateway configured to wirelessly send and receive information to and from the vehicle unit; and
a computer-based server being in communication with the gateway over a network, the server comprising:

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a receiving component configured to receive recorded user requests from the vehicle via the gateway;
a content generator configured to generate content based on radio broadcast information;
5 a first sending component configured to send the generated content to the vehicle unit via the gateway;
a transaction component configured to complete a transaction based on the request;
10 a confirmation component configured to generate a confirmation message based on the completed transaction; and
a second sending component configured to send the generated confirmation message to the vehicle via the network and the gateway.

28. The system of claim 27, wherein the computer-based vehicle unit comprises a positioning system component configured to identify vehicle location and direction of travel.

15 29. The system of claim 28, wherein the processing component is coupled to the positioning system, and the first component of the processing component is configured to instruct the transmitter to send vehicle information, wherein the vehicle information comprises vehicle location and the broadcast frequency associated with the received radio broadcast.

20 30. The system of claim 27, wherein the user interface comprises a microphone for recording requests and a speaker for presenting received content audibly.

31. The system of claim 27, wherein the user interface comprises a microphone for recording requests and a speaker for presenting received content audibly.

25 32. The system of claim 27, wherein the user interface comprises a display for displaying one or more of an image or textual information associated with at least a portion of the content or the message.

33. The system of claim 27, wherein the transaction component comprises a voice recognition processor configured to perform voice recognition processing of the recorded request.

34. The system of claim 27, wherein the transaction component comprises a monetary transfer component configured to perform a monetary transfer with a bank system over a network connection based on user information and the request.

35. The system of claim 27, wherein:

the transaction component comprises a business information component configured to retrieve information from a business system over a network connection based on the request; and
wherein the confirmation message generated by the confirmation component comprises at least a portion of the information retrieved from the business system.

36. The system of claim 27, wherein a recorded request is a request to purchase an item offered for purchase in one or more of the received radio broadcast or the sent content.

37. A system comprising:

a computer-based vehicle unit located in a vehicle, the unit comprising:

- a transmitting component;
- a receiving component configured to wirelessly receive a radio broadcast over a broadcast frequency and content;
- a user interface component configured to present received content and radio broadcast and record user requests;
- a positioning system component configured to identify vehicle location and direction of travel;
- a processing component coupled to the transmitter, the user interface, the receiver, and the positioning system, the processor comprising:
 - a first component configured to instruct the transmitter to send vehicle information and recorded user requests, wherein the vehicle information comprises vehicle location and the broadcast frequency associated with the received radio broadcast; and
 - a second component configured to process information received by the receiver for presentation by the user interface;
- a gateway configured to wirelessly send and receive information to and from the vehicle unit; and

a computer-based server being in communication with the gateway over a network, the server comprising:

a receiving component configured to receive information from the vehicle via the gateway;

a content generator configured to generate content based on prestored radio broadcast information and associated vehicle information;

a first sending component configured to send the generated content to the vehicle unit via the gateway;

a transaction component configured to complete a transaction based on the request and prestored user information;

a confirmation component configured to generate a confirmation message based on the completed transaction; and

a second sending component configured to send the generated confirmation message to the vehicle via the network and the gateway.

38. The system of claim 37, wherein the user interface comprises a microphone for recording requests and a speaker for presenting received content audibly.

39. The system of claim 37, wherein the user interface comprises a display for displaying one or more of an image or textual information associated with at least a portion of the content or the message.

40. The system of claim 37, wherein the transaction component comprises a voice recognition processor configured to perform voice recognition processing of the recorded request.

41. The system of claim 37, wherein the transaction component comprises a monetary transfer component configured to perform a monetary transfer with a bank system over a network connection based on user information and the request.

42. The system of claim 37, wherein:

the transaction component comprises a business information component configured to retrieve information from a business system over a network connection based on the request; and

wherein the confirmation message generated by the confirmation component comprises at least a portion of the information retrieved from the business system.

43. The system of claim 37, wherein a recorded request is a request to purchase an item offered for purchase in one or more of the received radio broadcast or the sent content.

44. An apparatus comprising:

- means for receiving a radio broadcast at a vehicle;
- means for wirelessly transmitting content from a server to the vehicle via a data network based on radio broadcast information associated with the received radio broadcast;
- means for presenting content over a user interface at the vehicle;
- means for recording requests made by a user based on the presented content;
- means for sending recorded requests to the server via the network;
- means for processing each sent request, wherein processing comprises generating a confirmation message upon completing a transaction based on the request;
- means for sending the generated confirmation message to the vehicle via the network and the gateway; and
- means for presenting the sent confirmation message over the user interface.

45. The apparatus of claim 44, further comprising means for wirelessly transmitting vehicle information from the vehicle to the server over the data network.

46. The apparatus of claim 45, wherein the content transmitted from the server to the vehicle via a data network is based on radio broadcast information associated with the vehicle information.

47. An apparatus comprising:

- means for receiving a radio broadcast at a vehicle;
- means for wirelessly transmitting vehicle information from the vehicle to a network gateway;
- means for sending the vehicle information from the gateway to a server over a data network;
- means for sending content from the server to the vehicle via the network and the gateway based on prestored radio broadcast information associated with the received radio broadcast and associated vehicle information;
- means for presenting content over a user interface at the vehicle;
- means for recording any requests made by a user based on the presented content;
- means for sending recorded requests to the server via the gateway and the network;

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means for processing each sent request, processing comprising:

means for completing a transaction based on the request and prestored user information; and

means for generating a confirmation message based on the completed transaction;

means for sending the generated confirmation message to the vehicle via the network and the gateway; and

means for presenting the sent confirmation message over the user interface.

48. A system comprising:

a computer-based vehicle unit located in a vehicle, the unit comprising:

a transmitting component;

a receiving component configured to wirelessly receive a television broadcast over a broadcast frequency and content;

a user interface component configured to present received content and television broadcast and recording user requests;

a positioning system component configured to identify vehicle location and direction of travel;

a processing component coupled to the transmitter, the user interface, the receiver, and the positioning system, the processor comprising:

a first component configured to instruct the transmitter to send vehicle information and recorded user requests, wherein the vehicle information comprises vehicle location and the broadcast frequency associated with the received television broadcast; and

a second component configured to process information received by the receiver for presentation by the user interface;

a gateway configured to wirelessly send and receive information to and from the vehicle unit; and

a computer-based server being in communication with the gateway over a network, the server comprising:

a receiving component configured to receive information from the vehicle via the gateway;

a content generator configured to generate content based on prestored television broadcast information and associated vehicle information;

09084854-061801

a first sending component configured to send the generated content to the vehicle unit via the gateway;
a transaction component configured to complete a transaction based on the request and prestored user information;
5 a confirmation component configured to generate a confirmation message based on the completed transaction; and
a second sending component configured to send the generated confirmation message to the vehicle via the network and the gateway.

49. A system comprising:

10 a computer-based vehicle unit located in a vehicle, the unit comprising:
a transmitting component;
a receiving component configured to wirelessly receive a radio broadcast over a broadcast frequency and content;
15 a user interface component configured to present received content and radio broadcast and recording user requests;
a positioning system component configured to identify vehicle location;
a processing component coupled to the transmitter, the user interface, the receiver, and the positioning system, the processor comprising:
20 a first component configured to instruct the transmitter to send vehicle information and recorded user requests, wherein the vehicle information comprises vehicle location and the broadcast frequency associated with the received radio broadcast;
a second component configured to process information received by the receiver for presentation by the user interface; and
25 a third component configured to perform voice recognition processing of the recorded request;
a gateway configured to wirelessly send and receive information to and from the vehicle unit; and
30 a computer-based server being in communication with the gateway over a network, the server comprising:
a receiving component configured to receive information from the vehicle via the gateway;
35 a content generator configured to generate content based on prestored radio broadcast information and associated vehicle information;

a first sending component configured to send the generated content to the vehicle unit via the gateway;
a transaction component configured to complete a transaction based on the voice recognition processed request and prestored user information;
a confirmation component configured to generate a confirmation message based on the completed transaction; and
a second sending component configured to send the generated confirmation message to the vehicle via the network and the gateway.

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10 50. The system of claim 49, wherein the user interface comprises a microphone for recording requests and a speaker for presenting received content audibly.

51. The system of claim 49, wherein the user interface comprises a display for displaying one or more of an image or textual information associated with at least a portion of the content or the message.

15 52. The system of claim 49, wherein the transaction component comprises a monetary transfer component configured to perform a monetary transfer with a bank system over a network connection based on user information and the request.

20 53. The system of claim 49, wherein:
the transaction component comprises a business information component configured to retrieve information from a business system over a network connection based on the request; and
wherein the confirmation message generated by the confirmation component comprises at least a portion of the information retrieved from the business system.

25 54. The system of claim 49, wherein a recorded request is a request to purchase an item offered for purchase in one or more of the received radio broadcasts or the sent content.